

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034335.D
 Acq On : 18 Oct 2019 3:17
 Operator : SY/AP
 Sample : K5409-04DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Manual Integrations
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Quant Time: Oct 18 06:01:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 06:01:16 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	798846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1699165	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1708220	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1415206	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	29200	0.703	ppbv	88
13) Ethanol	3.61	45	5998m	0.645	ppbv	
15) Acetone	3.84	43	518278	4.536	ppbv	99
52) Tetrachloroethene	11.28	164	202827	3.174	ppbv	92
53) Toluene	9.87	91	27070m	0.150	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

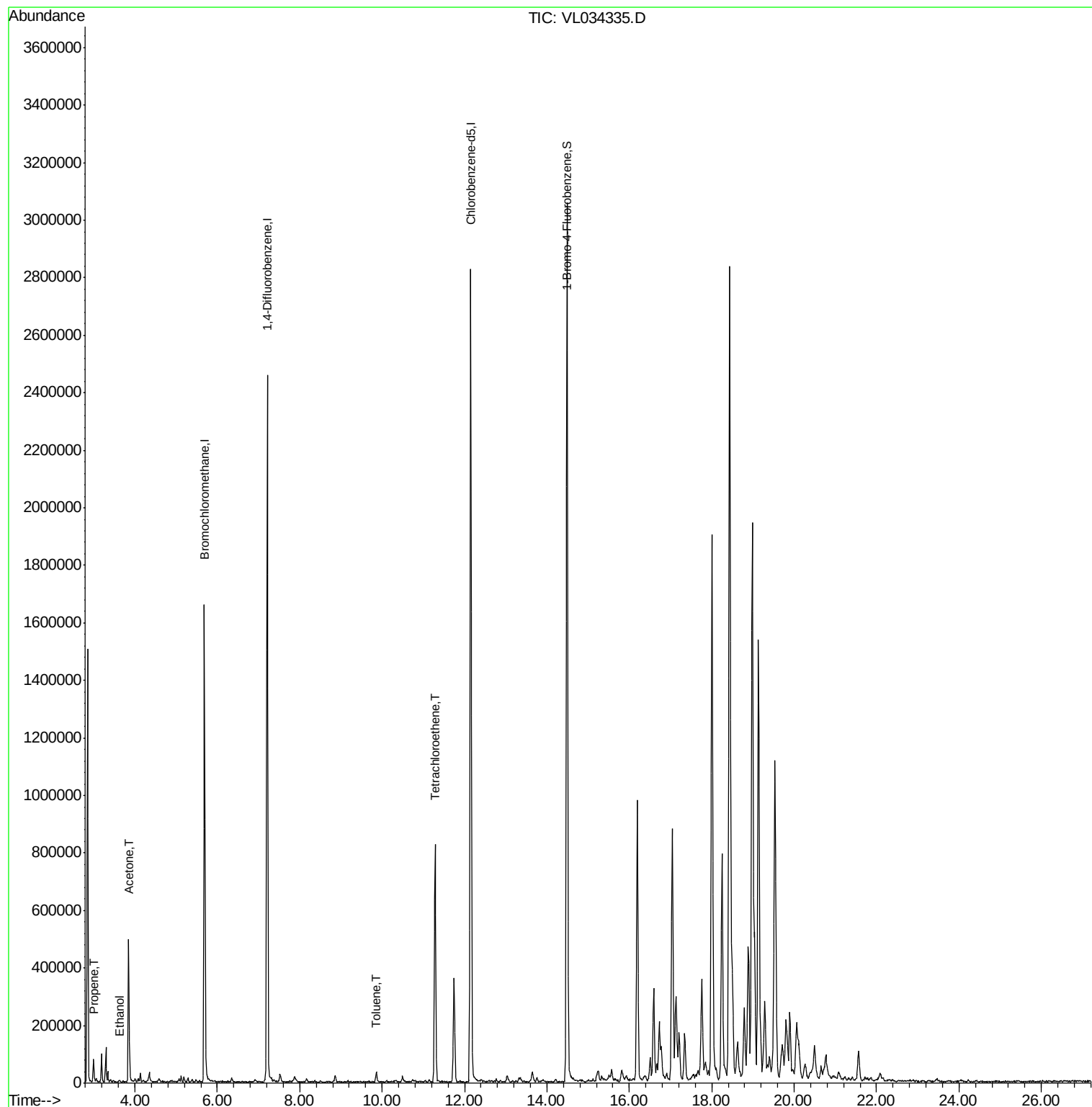
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
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Misc : 400ml/MSVOA L
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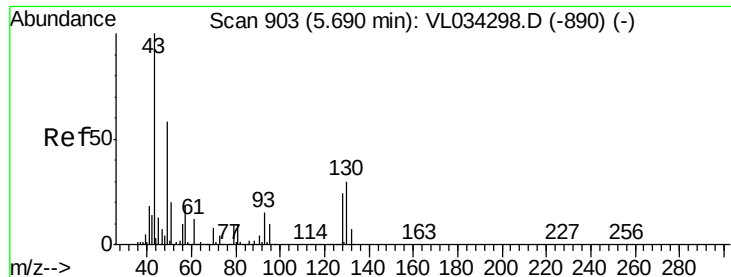
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

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Quant Time: Oct 18 06:01:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034335.D

Acq: 18 Oct 2019 3:17

Instrument :

MSVOA_L

ClientSampled :

SV4DL2

Tot Ion: 49 Resp: 798846
Ion Ratio Lower Upper

49 100

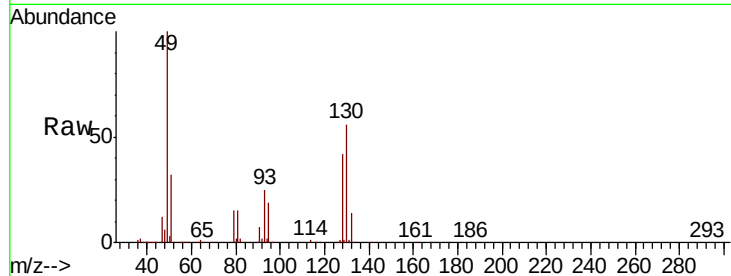
128 43.6 20.6 61.8

130 57.2 26.2 78.5

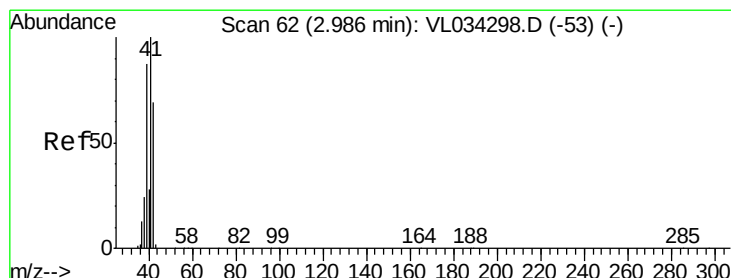
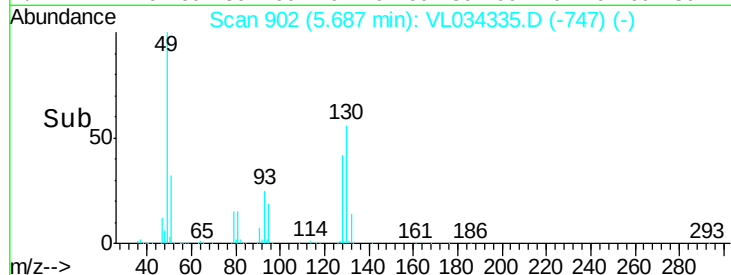
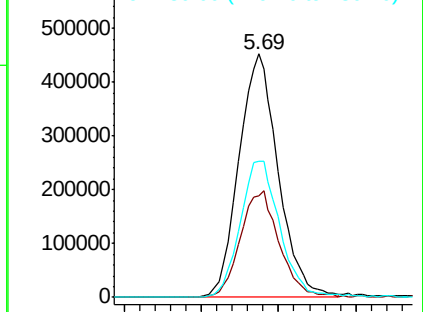
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.703 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

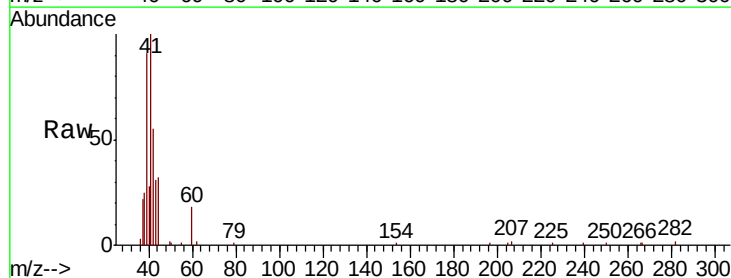
Lab File: VL034335.D

Acq: 18 Oct 2019 3:17

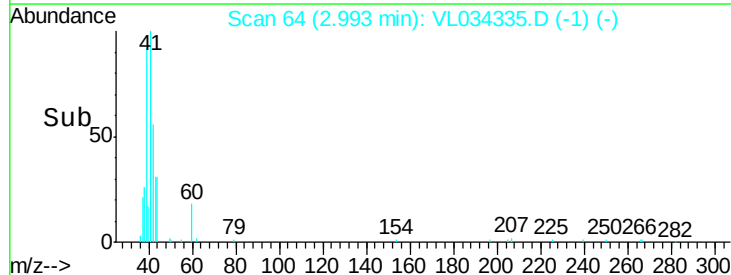
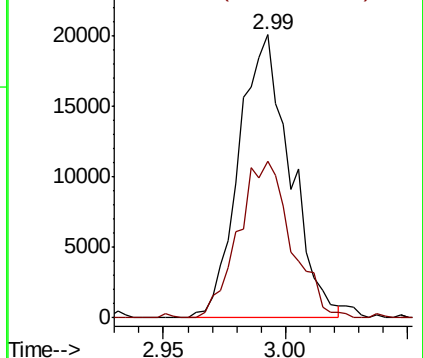
Tgt Ion: 41 Resp: 29200
Ion Ratio Lower Upper

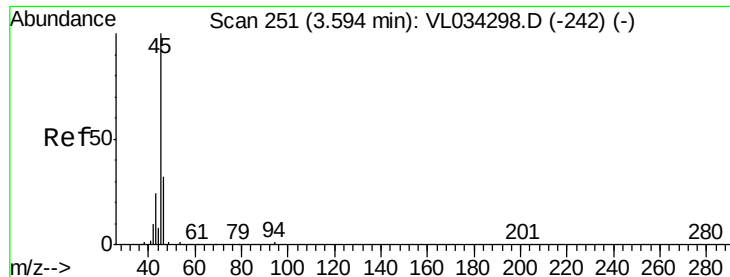
41 100

42 57.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





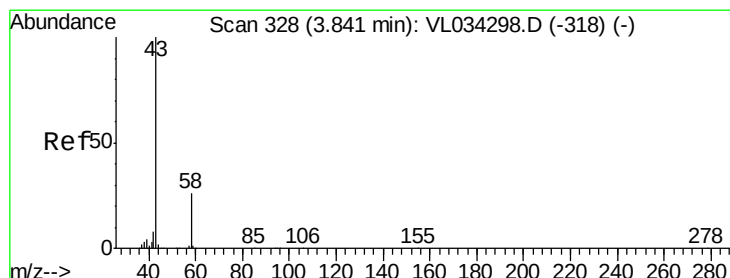
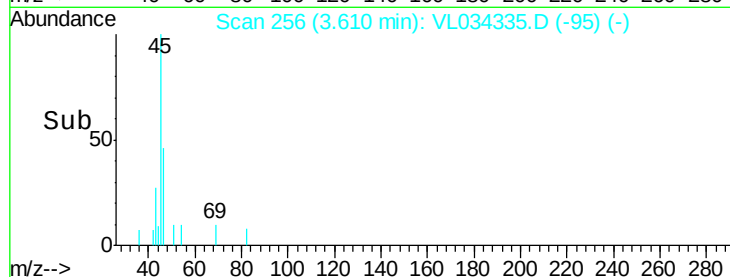
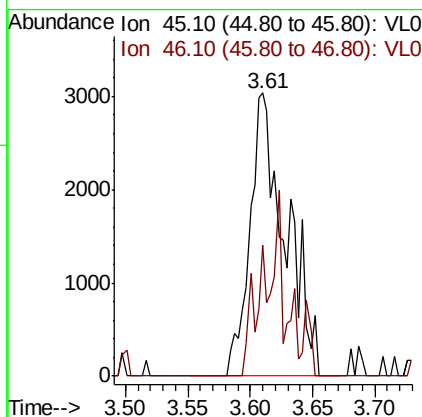
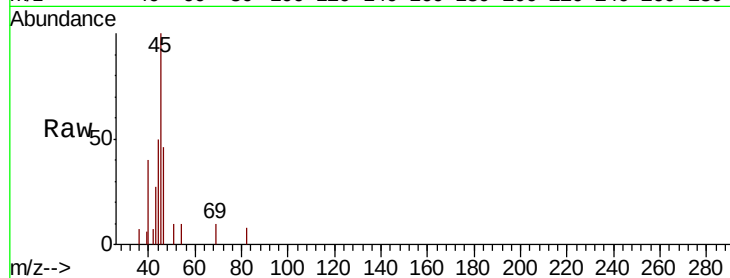
#13
Ethanol
Concen: 0.645 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion	45	Resp	5998
Ion Ratio	100	Lower	Upper
46	0.0	15.8	63.2#

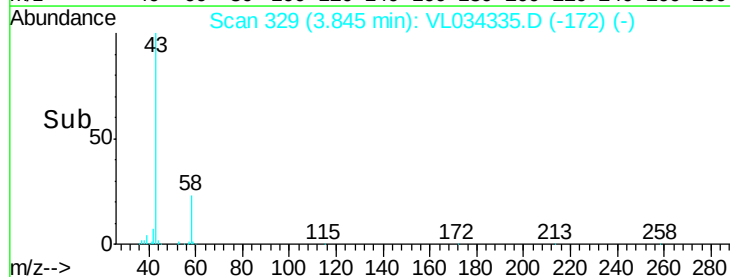
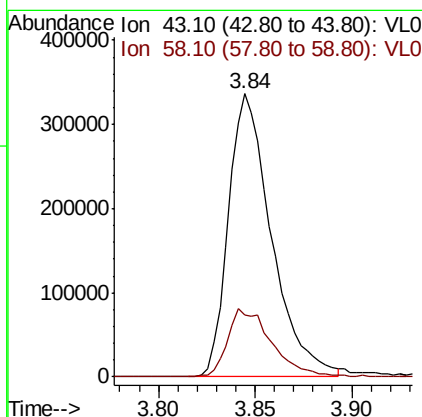
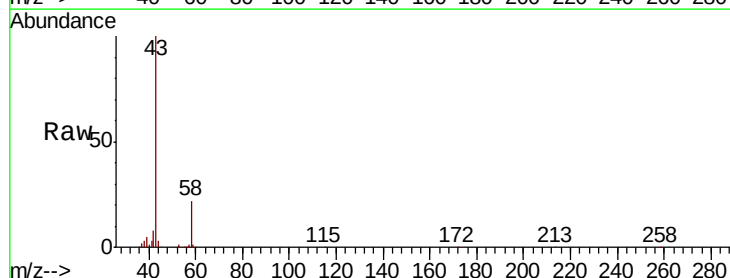
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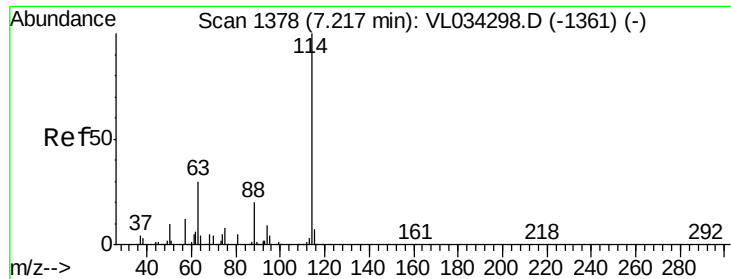
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#15
Acetone
Concen: 4.536 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Tgt Ion	43	Resp	518278
Ion Ratio	100	Lower	Upper
58	25.2	20.4	30.6





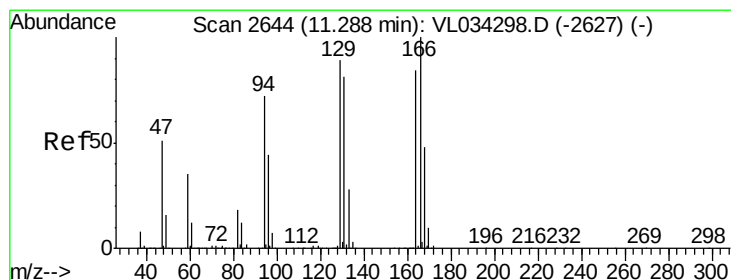
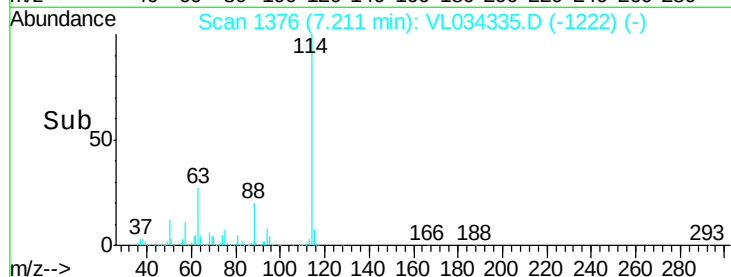
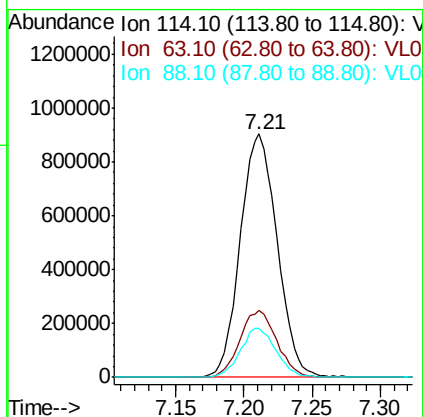
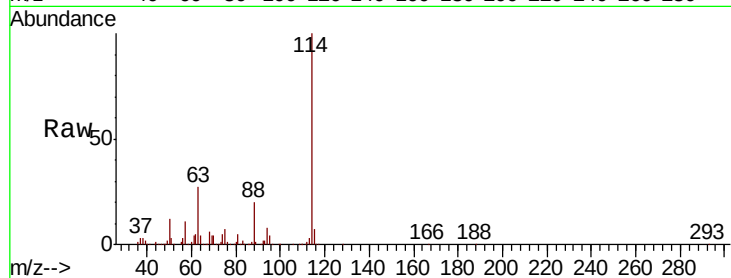
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034335.D
 Acq: 18 Oct 2019 3:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	25.2	37.8
88	19.7	16.0	24.0

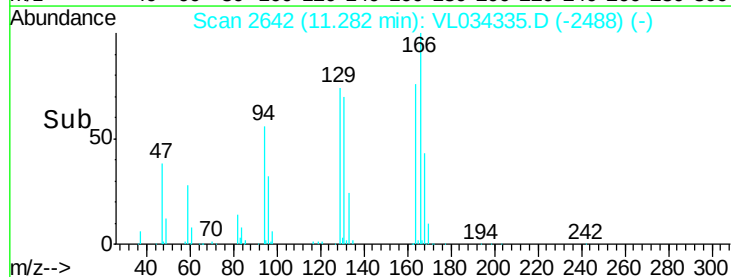
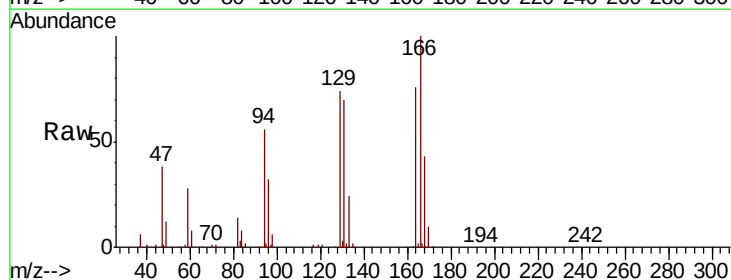
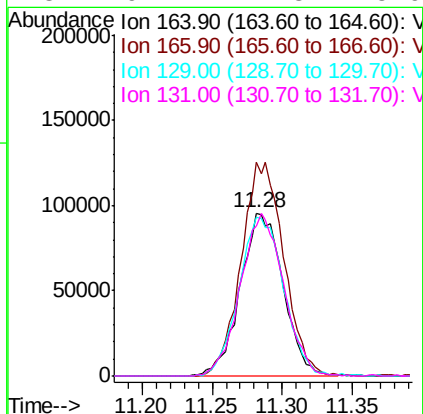
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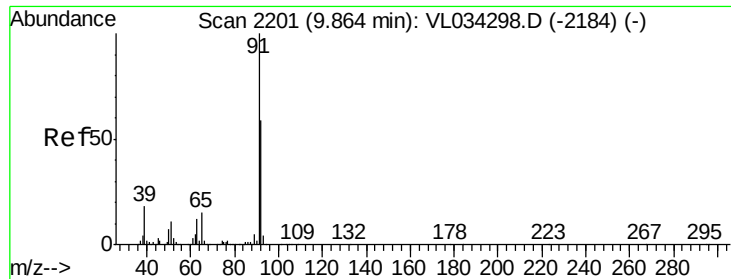
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#52
 Tetrachloroethene
 Concen: 3.174 ppbv
 RT: 11.28 min Scan# 2642
 Delta R.T. -0.01 min
 Lab File: VL034335.D
 Acq: 18 Oct 2019 3:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	95.3	142.9
129	97.0	84.5	126.7
131	92.2	77.3	115.9





#53

Toluene

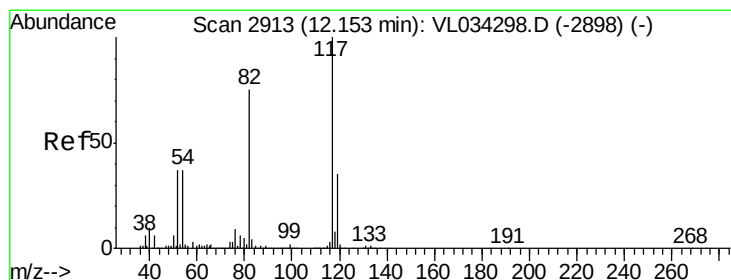
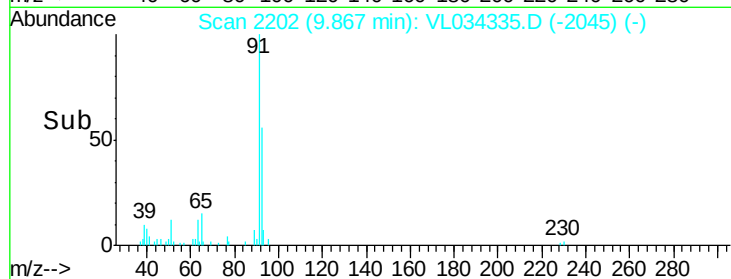
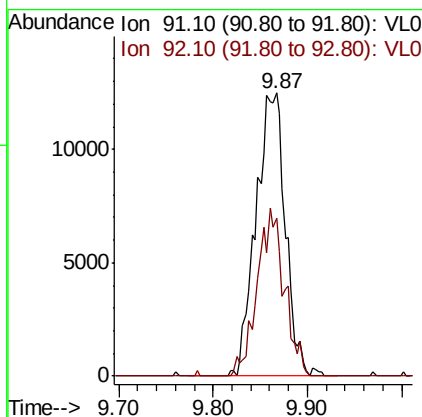
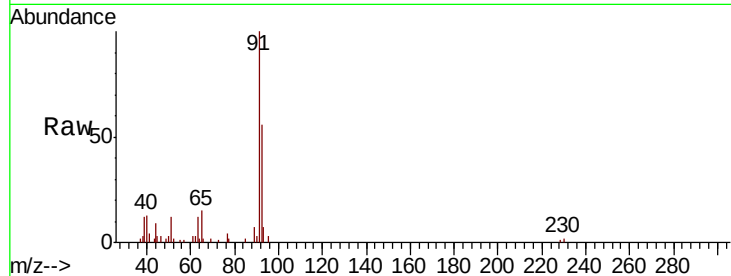
Concen: 0.150 ppbv m
RT: 9.87 min Scan# 2202
Delta R.T. 0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion: 91 Resp: 27070
Ion Ratio Lower Upper
91 100
92 54.7 48.4 72.6

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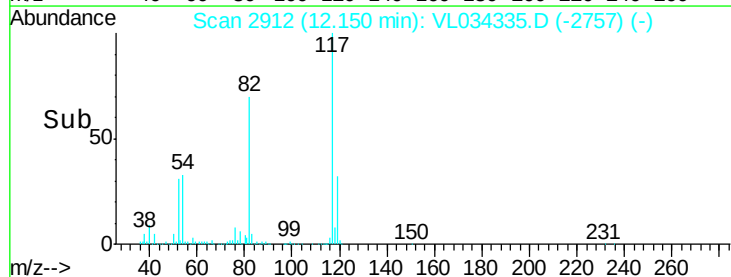
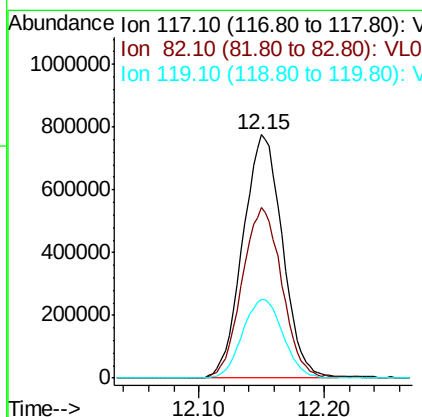
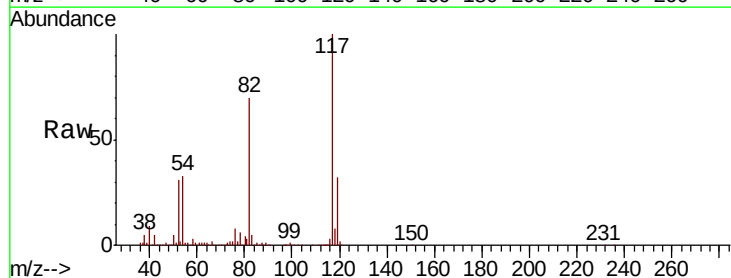


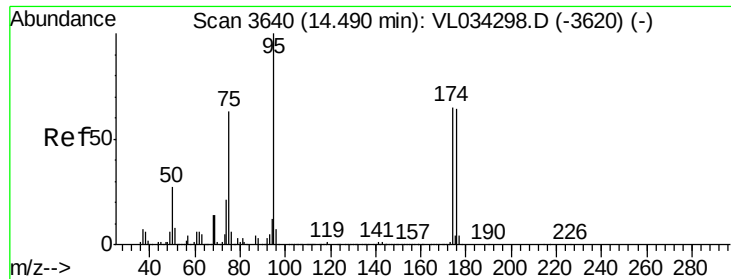
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Tgt Ion: 117 Resp: 1708220
Ion Ratio Lower Upper
117 100
82 70.6 55.5 83.3
119 33.2 26.5 39.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.782 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VL034335.D
 Acq: 18 Oct 2019 3:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Tot Ion: 95 Resp: 1415206
 Ion Ratio Lower Upper
 95 100
 174 69.4 52.6 78.8
 175 5.0 3.8 5.6

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